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(54) HIGH CONCENTRATION CALCIUM HYDROXIDE AQUEOUS SUSPENSION LIQUID AND ITS PRODUCTION METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To produce a high concn. calcium hydroxide aq. suspension liquid hardly settling even if a solid content is high low in viscosity, good in stability of viscosity with the lapse of time and excellent in workability.

SOLUTION: A suspension liquid is composed of a material having  $\leq 2000$  cP viscosity, a 41-75 wt.% solid content and in which  $\geq 95$  wt.% of the solid part is particles having  $\leq 45$   $\mu\text{m}$  grain size. The suspension liquid is obtained by mixing calcium oxide particles whose a part can be carbonated with water and allowing the mixture to react and at that time, a temp rise width due to the primary temp. rise at mixing time is controlled so as to be  $\leq 15^\circ\text{C}$  and a time from the mixing time to a starting time of the secondary temp. rise is controlled so as to be  $\geq 1$  min to obtain the high conc. calcium hydroxide aqueous suspension liq.